DATE: December 22, 1994

SUBJECT: Data Problems on ADF04

FROM: Mike Thomas

TO: Mary McGhee

Recently Bob Dona pointed out some questionable QC data for ADF04. ESAT investigated the data and found it to have been reported in error.

Attached is a copy of ESAT's memo to us describing the problem. Also attached for your transmittal to the project leader is a new LAST report reflecting the corrected data. I believe the cause of the problem has been corrected.

If you have any questions, or need additional information, please let me know.

Thank you.

attachments

ENVIRONMENTAL SERVICES ASSISTANCE TEAM -- ZONE 2

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ManTech Environmental Technology, Inc.

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To: Mike Thomas
GNAN Section Chief

Through: Harold Brown, Ph.D.
Deputy Project Officer for Region 7 ESAT, EPA

From: Francis Zigmund FZ
Project Scientist, ESAT

Through: Ron Ross
Region 7 ESAT Team Leader

Date: **DECEMBER 22, 1994**

Subject: LAST Reporting Problems [ADF04 - McDonnell Douglas]

Per our conversation of December 19, 1994 concerning questionable data reported in LAST for Molybdenum, Sodium and Potassium, in the Laboratory Control Sample, the following information was gathered.

The data submitted by ESAT's Inorganic Group for the true value concentrations for the aforementioned elements were incorrect.

A complete review of all of the reported data for this project was accomplished by the Inorganic Group Leader and no other problems were identified.

The problem was a result of incorrect data in the files used to transfer the true values to LAST. The files have been corrected.

A new LAST Report was generated on December 21, 1994 with the correct concentrations for the true values. (Attached) No other actions are planned.

FB

ANALYSIS REQUEST SUPPLEMENT REPORT ACTIVITY: 5-ADF04 DATE: 12/21/94

PRELIMINARY DATA
SUBJECT TO REVISION

COMPOUND	UNITS	017	018	019	951G	951H
SM01 SILVER, TOTAL, BY ICAP	MG/KG	0.615 U	0.615 U	0.615 U	27.4	22.2
SM02 ALUMINUM, TOTAL, BY ICAP	MG/KG	6860	8110	17200	348	325
SM03 ARSENIC, TOTAL, BY ICAP	MG/KG	25.5	24.9	48.0	978	917
SM04 BARIUM, TOTAL, BY ICAP	MG/KG	98.2	125	148	4.98	4.80
SM05 BERYLLIUM, TOTAL, BY ICAP	MG/KG	0.659	0.692	1.24	20.7	19.4
SM06 CADMIUM, TOTAL, BY ICAP	MG/KG	0.487 U	0.487 U	0.487 U	41.8	45.4
SM07 COBALT, TOTAL, BY ICAP	MG/KG	6.49	4.84	10.5	134	144
SM08 CHROMIUM, TOTAL, BY ICAP	MG/KG	9.62	12.9	16.3	92.3	99.6
SM09 COPPER, TOTAL, BY ICAP	MG/KG	8.98	10.1	21.3	7090	6910
SM10 IRON, TOTAL, BY ICAP	MG/KG	9590	8320	20100	18300	22400
SM11 MANGANESE, TOTAL, BY ICAP	MG/KG	225	262	566	186	208
SM12 MOLYBDENUM, TOTAL, BY ICAP	MG/KG	0.393 U	0.393 U	0.393 U	46.9	40.0
SM13 NICKEL, TOTAL, BY ICAP	MG/KG	21.4	14.4	24.0	65.2	60.9
SM14 LEAD, TOTAL, BY ICAP	MG/KG	17.8	21.7	31.2	240	236
SM15 ANTIMONY, TOTAL, BY ICAP	MG/KG	2.55	1.57	3.76	288	211
SM16 SELENIUM, TOTAL, BY ICAP	MG/KG	3.09 U	3.09 U	3.09 U	46.4	39.2
SM18 THALLIUM, TOTAL, BY ICAP	MG/KG	3.15 U	3.15 U	3.15 U	54.2	39.0
SM19 VANADIUM, TOTAL, BY ICAP	MG/KG	22.2	22.0	33.0	68.6	65.8
SM20 ZINC, TOTAL, BY ICAP	MG/KG	39.0	44.3	64.5	227	187
SM21 CALCIUM, TOTAL, BY ICAP	MG/KG	1660	2730	4380	183000	196000
SM22 MAGNESIUM, TOTAL, BY ICAP	MG/KG	1950	2180	4010	103000	118000
SM23 SODIUM, TOTAL, BY ICAP	MG/KG	545	108	111	200	175
SM24 POTASSIUM, TOTAL, BY ICAP	MG/KG	943	1520	1670	25.5 U	32.0

QC data only change;
NO Modified Data Report
generated